

Abstract:

Page 39, in the abstract section, replace with the following new abstract paragraph:

--- MULTIBAND MIMO-BASED [[3G]] W-CDMA AND UWB COMMUNICATIONS

Abstract of the Disclosure

This invention ~~disclosure~~ presents a system of a multiband MIMO-based [[3G]] W-CDMA and UWB communications for [[a]] wireless and local area fixed wireless communications. The ~~entire~~ system includes a [[3G]] W-CDMA base station, an UWB base station, and *p*-user dual-mode W-CDMA and UWB portable stations ~~of 3G W-CDMA and UWB~~. ~~Four OFDM multi-frequency bands are employed for UWB communication, with each of the multi-frequency bands having a 512 MHz bandwidth. The QPSK modulation is used for the dual-mode transceivers of 3G W-CDMA and UWB communications.~~ This system allows ~~N multiuser~~ *p*-user to transmit and receive[[r]] a very high-speed multimedia information data based on ~~either 3G W-CDMA~~ [[or]] and UWB communications to access both wireless phones and Internet.